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Van Cyr* (van.cyr@bucknell.edu), 361 Olin Science Building, Department of Mathematics, Bucknell University, Lewisburg, PA 17837, and **Bryna Kra** (kra@math.northwestern.edu), 224 Lunt Hall, Department of Mathematics, Northwestern University, Evanston, IL 60208. *Growth in the automorphism group of a minimal subshift.*

The automorphism group of a symbolic dynamical system (X, σ) is the group of homeomorphisms of X that commute with σ . For positive entropy subshifts, this group is often extremely complicated. This can be interpreted as a manifestation of the "high complexity" of these shifts.

In this talk I will discuss joint work with B. Kra in which we study the algebraic properties of the automorphism group of minimal subshifts with "low complexity." As an application of our results, we obtain the amenability of $Aut(X)$ for a broad class of subshifts. (Received August 11, 2015)